



RAMAGYA SCHOOL, NOIDA
V/SCIENCE/2017-18
OLYMPIAD PRACTICE WORKSHEET

Q1. Large round holes found on the moon's surface are called

- a) Craters
- b) Meteorites
- c) Planets
- d) Bubbles

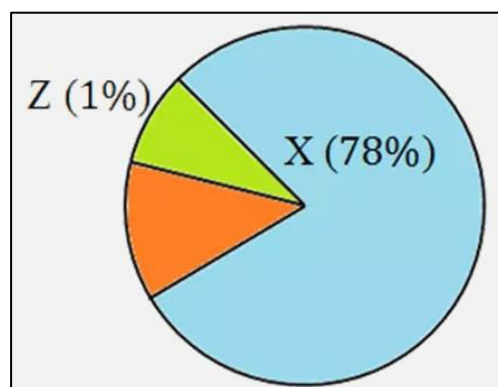
Q2. Which of the following diseases spreads through water and food?

- a) Malaria
- b) Typhoid
- c) Filaria
- d) Ringworm

Q3. What kind of pollution is being caused if a factory releases waste products into a nearby stream?

- a) Noise Pollution
- b) Soil Pollution
- c) Water Pollution
- d) Air Pollution

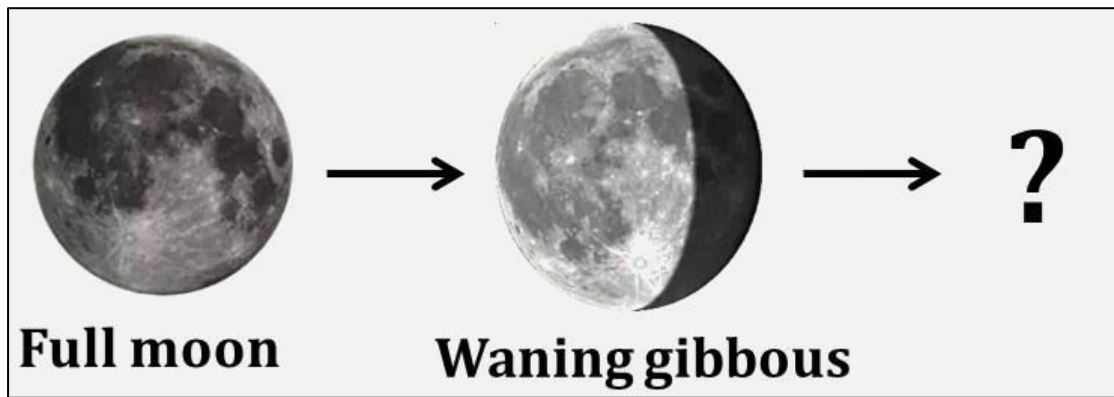
Q4. The pie chart shows the composition of air.



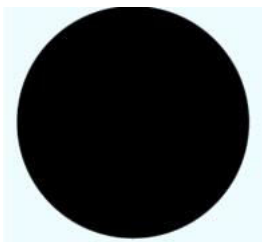
What do X and Z represent?

- a) X – Nitrogen, Z – Oxygen
- b) X – Carbon dioxide, Z – Nitrogen
- c) X – Nitrogen, Z – Carbon dioxide
- d) X – Oxygen, Z – Nitrogen

Q5. Which of these is the next phase of the moon?



a) **Half moon**



b) **New moon**



c) **Waxing gibbous**



d) **Waxing crescent**

Q6. Which type of eclipse occurs at full moon?

- a) Lunar Eclipse
- b) Solar Eclipse
- c) Total Eclipse
- d) Question does not provide sufficient data

Q7. In the layer of atmosphere, where the ozone layer is located?

- a) Stratosphere
- b) Ionosphere
- c) Troposphere
- d) Hydrosphere

Q8. Animals use different methods to escape from their predators. Which one of the following is NOT true?

- a) The lizard sheds a wriggling tail to distract the enemy.
- b) The grasshopper has powerful hind legs to hop away quickly.
- c) Crocodiles, lizards and turtles use their legs to crawl on the ground.
- d) A snake and a worm use their legs to crawl on the ground.

Q9. Which of the following is a bunch of nerves that connects the brain with the rest of the body?

- a) Cerebrum
- b) Cerebellum
- c) Medulla
- d) Spinal Cord

Q10. Lava cools to form which type of rock.

- a) Igneous Rocks
- b) Metamorphic Rocks
- c) Sedimentary Rocks
- d) Limestone

Q11. _____ rises in the east and sets in the west.

- a) The Moon
- b) Satellite
- c) The Earth
- d) None of the above

Q12. A bubble in soda is the _____ form of matter.

- a) Gaseous
- b) Liquid
- c) Solid
- d) Question does not provide sufficient data or is vague

Q13. Match the following simple machines in column – I with their respective uses given in column – II.

List- I (Machine)	List- II (Uses)
(A) Wedge	(i) To cut objects
(B) Screw	(ii) To fix two objects together
(C) Pulley	(iii) To lift heavy objects

- | | | |
|----------|-------|-------|
| (A) | (B) | (C) |
| a) (iii) | (ii) | (i) |
| b) (iii) | (i) | (ii) |
| c) (ii) | (iii) | (i) |
| d) (i) | (ii) | (iii) |

Q14. Which part of following is first leaf of the seedling?

- a) Plumule
- b) Cotyledons
- c) Leaves
- d) Radicle

Q15. The hump of a camel helps in storing

- a) Blood
- b) Half chew grass
- c) Fat
- d) Water

Q16. Which of the following is a necessary condition for a partial eclipse occur?

- a) The moon covers entire disk of the sun.
- b) The Earth moves between the planets.
- c) The moon must be full
- d) They don't align in a perfectly straight line.

Q17. Look at the given diagram carefully.



Which are the organs that the above given bones protect?

- (i) Liver
- (ii) Brain
- (iii) Lungs
- (iv) Heart
- (v) Kidney

- a) Only (ii), (iii) and (iv)
- b) Only (iv) and (v)
- c) Only (ii) and (iii)
- d) Only (iii) and (iv)

Q18. Which type of soil is good for farming?

- a) Tundra soil
- b) Forest soil
- c) Desert soil
- d) None of the above

Q19. Which of these matter particles vibrate and move anywhere?

- a) Liquid
- b) Solid
- c) Gas
- d) All of the above

Q20. The picture shows a jar with its lid. What kind of a simple machine is a jar lid?



- a) Pulley
- b) Wedge
- c) Screw
- d) Ramp